

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled NOVEL HUMAN ENZYME FAMILY MEMBERS AND USES THEREOF, the specification of which was filed on June 20, 2002 as Application Serial No. 10/175,696.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

<u>U.S. Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
60/205,675	May 19, 2000	Pending
60/211,727	June 15, 2000	Pending
60/266,140	February 2, 2001	Pending
60/193,920	March 31, 2000	Pending

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>U.S. Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
09/862,658	May 21, 2001	Pending
09/882,837	June 15, 2001	Pending
10/067,668	February 4, 2002	Pending
09/823,901	March 30, 2001	Pending

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Priority Claimed</u>	
WIPO	PCT/US01/16380	May 21, 2001	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
WIPO	PCT/US01/19319	June 15, 2001	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
WIPO	PCT/US01/10720	April 2, 2001	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Combined Declaration and Power of Attorney

Page 2 of 2 Pages

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Louis Myers, Reg. No. 35,965
Timothy A. French, Reg. No. 30,175
Laurie Butler Lawrence, Reg. No. 46,593
Theodore R. Allen, Reg. No. 41,578
Kerri Pollard Schray, Reg. No. 47,066
Monica McCormick Graham, Ph.D., Reg. No. 42,600
Mi K. Kim, Reg. No. 44,830

John W. Freeman, Reg. No. 29,066
Jean M. Silveri, Reg. No. 39,030
Susan M. Perkins, Reg. No. 36,405
Scott A. Brown, Reg. No. 32,724
Jack Brennan, Reg. No. 47,443
M. Angela Parsons, Reg. No. 44,282

Address all telephone calls to LOUIS MYERS at telephone number (617) 542-5070.

Address all correspondence to LOUIS MYERS at:

FISH & RICHARDSON P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: RACHEL E. MEYERS

Inventor's Signature: X *Rachel Meyers* Date: X 8/13/02
Residence Address: Newton, Massachusetts
Citizenship: United States of America
Post Office Address: 115 Devonshire Road, Newton, MA 02468

Full Name of Inventor: MARIA ALEXANDRA GLUCKSMANN

Inventor's Signature: _____ Date: _____
Residence Address: Lexington, Massachusetts
Citizenship: Argentina
Post Office Address: 33 Summit Road, Lexington, MA 02173

Full Name of Inventor: LAURA A. RUDOLPH-OWEN

Inventor's Signature: _____ Date: _____
Residence Address: Jamaica Plain, Massachusetts
Citizenship: United States of America
Post Office Address: 186 Arborway, #1, Jamaica Plain, MA 02130

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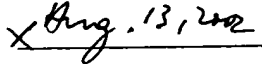
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Inventor's Signature: _____ Date: _____
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Citizenship: United States of America
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Full Name of Inventor: MARIA ALEXANDRA GLUCKSMANN

Inventor's Signature:  _____ Date:  _____
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Full Name of Inventor: LAURA A. RUDOLPH-OWEN

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Full Name of Inventor: MARIA ALEXANDRA GLUCKSMANN

Inventor's Signature: _____ Date: _____
Residence Address: Lexington, Massachusetts
Citizenship: Argentina
Post Office Address: 33 Summit Road, Lexington, MA 02173

Full Name of Inventor: LAURA A. RUDOLPH-OWEN

Inventor's Signature: *Laura Rudolph-Owen* Date: *8/14/02*
Residence Address: Jamaica Plain, Massachusetts
Citizenship: United States of America
Post Office Address: 186 Arborway, #1, Jamaica Plain, MA 02130



UNITED STATES
PATENT AND
TRADEMARK OFFICE

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FISH & RICHARDSON, P.C.
LOUIS MYERS
225 FRANKLIN ST.
BOSTON, MA 02110-2804

FISH & RICHARDSON, P.C.
BOSTON OFFICE

10448-193001

COPY

Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/03/2002 ✓

REEL/FRAME: 013244/0405 ✓
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MEYERS, RACHEL E. ✓

DOC DATE: 08/13/2002

ASSIGNOR:
GLUCKSMANN, MARIA ALEXANDRA ✓

DOC DATE: 08/13/2002

ASSIGNOR:
RUDOLPH-OWEN, LAURA A. ✓

DOC DATE: 08/14/2002

ASSIGNEE:
MILLENNIUM PHARMACEUTICALS, INC. ✓
75 SIDNEY STREET
CAMBRIDGE, MASSACHUSETTS 02139-4169

SERIAL NUMBER: 10175696

FILING DATE: 06/20/2002

PATENT NUMBER:

ISSUE DATE:

013244/0405 PAGE 2

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-05-2002

Substitute Form PTO-1595
 Attorney Docket No.: 10448-193001
 Client's Ref. No.: MPI102-107

OFFICE OF PUBLIC RECORDS
 RECORDER

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102211458

FINANCE SECTION

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Rachel E. Meyers, Maria Alexandra Glucksmann,
 Laura A. Rudolph-Owen

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Millennium Pharmaceuticals, Inc.
 75 Sidney Street
 Cambridge, MA 02139-4169

Additional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

9-13-02

Execution Date: 8/15/2002; 8/13/2002; 8/14/2002

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s):

10/175,696

B: Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

LOUIS MYERS
 Fish & Richardson P.C.
 225 Franklin Street
 Boston, Massachusetts 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☒ Enclosed
☐ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our
 Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

John W. Freeman, Esq.

Reg. No. 29,066

Name of Person Signing

John W. Freeman
 Signature

8/22/02
 Date

Total number of pages including coversheet, attachments and document: 5

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09/05/2002 LMUELLER 00000015 10175696

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40.00 OP

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

Aug. 23, 2002
 Date of Deposit

Deborah R. Nast
 Signature

Deborah R. Nast
 Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, we, RACHEL E. MEYERS of Newton, Massachusetts, MARIA ALEXANDRA GLUCKSMANN of Lexington, Massachusetts, LAURA A. RUDOLPH-OWEN of Jamaica Plain, Massachusetts, hereby assign to:

Millennium Pharmaceuticals, Inc., a Delaware corporation located at:

75 Sidney Street
Cambridge, MA 02139-4169; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled NOVEL HUMAN ENZYME FAMILY MEMBERS AND USES THEREOF, filed June 20, 2002, and assigned U.S. Serial Number 10/175,696; U.S. Application Serial No. 10/067,668, filed February 4, 2002, which claims the benefit of U.S. Provisional Application Serial No. 60/266,140, filed February 2, 2001; and U.S. Application Serial No. 09/823,901, filed March 30, 2001, and International Application Serial No. PCT/US01/10720, filed April 2, 2001, which claim the benefit of U.S. Provisional Application Serial No. 60/193,920, filed March 31, 2000; and U.S. Application Serial No. 09/862,658, filed May 21, 2001, and International Application Serial No. PCT/US01/16380, filed May 21, 2001, which claim the benefit of U.S. Provisional Application Serial No. 60/205,675, filed May 19, 2000; and U.S. Application Serial No. 09/882,837, filed June 15, 2001, and International Application Serial No. PCT/US01/19319, filed June 15, 2001, which claim the benefit of U.S. Provisional Application Serial No. 60/211,727, filed June 15, 2000; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further

applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at X Cambridge,
this X 13 day of X Aug, 2002.
X Rachel Meyers L.S.
RACHEL E. MEYERS

State of Massachusetts
County of Middlesex : ss.

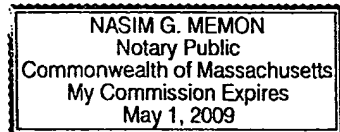
Before me this 13 day of August, 2002, personally appeared RACHEL E. MEYERS known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Nasim G. Memon

Notary Public

My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 2002.

L.S.
MARIA ALEXANDRA GLUCKSMANN

State of _____ :
County of _____ : ss.

Before me this _____ day of _____, 2002, personally appeared MARIA ALEXANDRA GLUCKSMANN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]

applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 2002.

RACHEL E. MEYERS

L.S.

State of _____ :
: ss.
County of _____ :

Before me this _____ day of _____, 2002, personally appeared RACHEL E. MEYERS known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public
My Commission Expires:

[Notary's Seal Here]

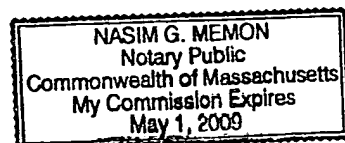
IN WITNESS WHEREOF, I hereto set my hand and seal at x _____,
this x 13 day of x August, 2002.
x _____ L.S.
MARIA ALEXANDRA GLUCKSMANN

State of Massachusetts : ss.
County of Middlesex:

Before me this 13 day of August, 2002, personally appeared MARIA ALEXANDRA GLUCKSMANN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public
My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at X,
this X 14 day of X August, 2002.

X Laura Rudolph-Owen L.S.
LAURA A. RUDOLPH-OWEN

State of Massachusetts

: ss.
County of Middlesex:

Before me this 14 day of August, 2002, personally appeared LAURA A. RUDOLPH-OWEN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Nasim G. Memon

Notary Public

My Commission Expires:

[Notary's Seal Here]

20485109.doc

